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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

No. Signature

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EXAMINER: to be assigned

GROUP ART UNIT:2311

TITLE: APPARATUS FOR DETERMINING PERFORMANCE-
INDICATING NUMBERS IN SPORTS GAMES,
PARTICULARLY IN ICE HOCKEY

SECOND PRELIMINARY AMENDMENT

Kindly amend the pending application as follows:

Please add new Claim 21:

--21. In a converting device for converting a box score
in a simulated hockey game eventually to final statistics
relating to composite power play, composite penalty
efficiency, two-player power play, two-player penalty
efficiency, major power play, major penalty efficiency,
composite hot seat, hot seat two-player disadvantage, hot
seat major disadvantage, or earned goal average, and wherein
said final statistics are, in turn, obtainable from
intermediate statistical data, the improvement being wherein
said intermediate statistical data are identifiable by a
combination of respective indicia, and are feedable into a
calculating means so as to obtain final statistics
therefrom, comprising in combination:

a means for displaying a time chart;

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converting means for obtaining said intermediate statistical data from said box score, said converting device including:

said means for displaying a time chart being calibrated at predetermined intervals, denotable for a first of indicia associated with a first entrant team and a second set of indicia associated with a second entrant team normally opposing said first entrant team;

a visual indicating means for displaying said first set of indicia and said second set of indicia;

a measuring means for measuring and comparing said first set of indicia with said second set of indicia at said predetermined intervals;

means for recording said first set of indicia and said second set of indicia in a visually readable form;

marking means for visually displaying said first set of indicia and said second set of indicia upon said time chart;

said measuring means comparing said first set of indicia and said second set of indicia, said first set of indicia and said second set of indicia each comprising separately an actual number of minutes and seconds served in penalty time in a game by the first team entrant and the second team entrant;

said first set of indicia being indicative of the scoring or defending ability of the first team entrant, said second set of indicia being indicative of the scoring or defending ability of the second team entrant;

said measuring means comparing said first set of indicia and said second set of indicia and producing an output of a comparative ranking of said first set of indicia of said first entrant team with respect to rankings of said second set of indicia of said second team entrant;

means for converting the output to actual time in minutes and seconds;

means for displaying the comparative ranking data onto said visual display;

all of said means being operating in accordance with the relationships in the following formulas:

$$((D5) + (2*G5) * (60) + (E5) + (2*H5) / (B5) / (60))$$

where D is the accrued number of minutes in which a team has a one man advantage and where E is the accrued number of seconds beyond whole minutes in which a team has a one man advantage and where H is the accrued number of seconds beyond whole minutes in which a team has a two man advantage, where B is the total number of power plays goals scored by a team, where G is the number of minutes in which a team has a two man advantage and where 5 is an arbitrary number associated to identify a team;

$$((P5) + (2*S5) * (60) + (Q5) + (2*T5) / (N5) / (60))$$

where P is the accrued number of minutes in which a team has one player serving penalty time and where S is the accrued number of minutes in which a team has two players serving penalty time and where Q is the accrued number of seconds beyond whole minutes in which a team has one player serving

penalty time and where T is the accrued number of seconds beyond whole minutes in which a team has two players serving penalty time where N is the total number of power play goals scored against a team and where 5 is an arbitrary number associated to identify a team;

$$((G*60) + (H5) / (F5) / (60))$$

where G is the accrued number of minutes in which a team has two players serving penalties and where t is the accrued number of seconds beyond whole minutes in which a team has two players serving major time penalties, in which r is the number of goals scored against a team when it has two players serving penalties and where 5 is an arbitrary number associated to identify a team;

$$((V5*60) + (W5) / (U5) / (60))$$

where U is the number of goals scored by a team when they possess a major time advantage, where V is the accrued number of minutes in which a team has a major time advantage, where W is the accrued number of seconds beyond whole minutes in which a team has a major time advantage, where * is the symbol for the arithmetical function of multiplication, where / is the symbol for the arithmetical function of division, where + is the symbol for the arithmetical function of addition and where 5 is an arbitrary number associated to identify a team;

$$((y5)*60) + (z5) / (x5) / (60))$$

where x is the number of goals scored against a team when it is serving major time penalties, where y is the accrued

B¹
cont

number of minutes in which a team is serving major time penalties, where z is the accrued number of seconds beyond whole minutes in which a team is serving a major time disadvantage, where $*$ is the symbol for the arithmetical function of multiplication, where $/$ is the symbol for the arithmetical function of division, where $+$ is the symbol for the arithmetical function of addition and where 5 is an arbitrary number associated to identify a team.
